

## EXPENDITURE ON LAND LEVELLING\*

Sugar Beet Rotation . . . . .	\$ 210 per acre
Grain-Hay Rotation . . . . .	\$ 135 per acre
Grain-Smf. Rotation . . . . .	\$ 85 per acre

\* To allow a 10% return to the levelling investment.

## ANNUAL IRRIGATION COSTS

Consist of:

Depreciation	Overhead
Interest on Investment	Costs
Labor	
Fuel	Operating
Repair & Servicing	Costs
Irrigation Machine Use	

These costs apply to sprinkler irrigation; for gravity irrigation methods, only the costs of labor, irrigation machine use and interest on investment for the levelled fields are applicable.

## IRRIGATION COSTS - Dollars per Acre\*

Crop	Not Levelled		Sprinkled	
	Fields	Fields	Fields**	
			Nat. Gas	Diesel
Sugar Beets	\$ 3.27	\$ 4.95	\$ 6.38	\$ 7.81
Alfalfa	1.88	2.15	5.88	7.17
Grains	3.85	4.46	5.11	6.26

\* Total cost per irrigation

\*\* Hand-move sprinkler units; two common fuel types.

## SPRINKLER IRRIGATION COSTS

Fuel	Cost per <u>Hour</u>	<u>Annual Cost per Acre</u>		
		Sugar <u>Beets</u>	Grain <u>Crops</u>	<u>Alfalfa</u>
HAND-MOVE SYSTEMS				
Nat. Gas	\$ 1.92	\$ 15.78	\$ 6.49	\$ 11.60
Propane	2.28	18.78	7.71	13.69
Diesel	2.36	19.48	7.98	14.18
Gasoline	2.52	20.88	8.54	15.15
WHEEL-ROLL SYSTEMS				
Nat. Gas	1.99	--	9.07	--
Propane	2.35	--	10.70	--
Diesel	2.39	--	10.93	--
VALLEY SYSTEM				
Nat. Gas	2.84	--	11.59	--

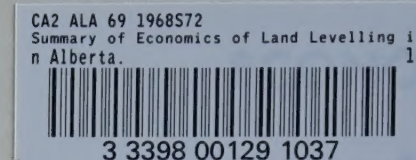
Hon. H. E. Strom  
Minister

Dr. E. E. Ballantyne  
Deputy Minister



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Summary of

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ALBERTA DEPARTMENT OF AGRICULTURE